10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

PROC Antibody

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP1017a

Specification

PROC Antibody - Product Information

Application	**WB,E**
Primary Accession	P04070
Reactivity	**Human**
Predicted	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**

PROC Antibody - Additional Information

Gene ID 5624

Other Names
Vitamin K-dependent protein C, Anticoagulant protein C, Autoprothrombin IIA, Blood coagulation factor XIV, Vitamin K-dependent protein C light chain, Vitamin K-dependent protein C heavy chain, Activation peptide, PROC

Target/Specificity
KLH conjugated synthetic peptide encoding the Protein-C epitope tag (CEDQVDPRLIDGK) was used as antigen.

Dilution
WB~~1:1000

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
PROC Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

PROC Antibody - Protein Information

Name PROC

Function Protein C is a vitamin K-dependent serine protease that regulates blood coagulation by inactivating factors Va and VIIIa in the presence of calcium ions and phospholipids (PubMed:25618265). Exerts a protective effect on the endothelial cell barrier function

(PubMed:25651845).

Cellular Location
Secreted. Golgi apparatus Endoplasmic reticulum

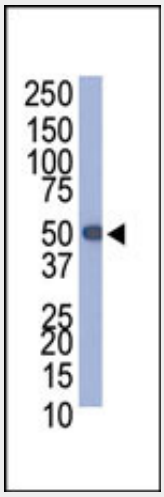
Tissue Location
Plasma; synthesized in the liver.

PROC Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

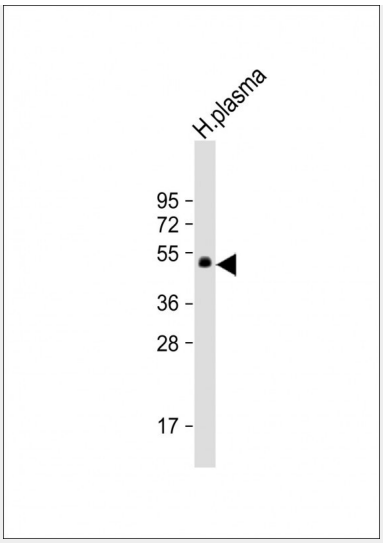
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

PROC Antibody - Images



Western blot analysis of anti-Protein-C tag Pab (Cat. #AP1017a)in Protein-C-tagged recombinant protein bacterial lysate.

10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999



Anti-PROC Antibody at 1:1000 dilution + H.plasma whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 52 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

PROC Antibody - Background

Epitope tags consisting of short sequences recognized by well-characterizated antibodies have been widely used in the study of protein expression in various systems. The epitope tag composed of a 12 residue peptide, EDQVDPRLIDGK , is derived from Protein-C, a vitamin K-dependent serine protease that regulates blood coagluation by inactivating factors Va and VIIIa in the presence of calcium ions and phospholipids.
Abgent's anti-Protein-C polyclonal antibody provides a simple solution to detect the expression of a Protein-C epitope-tagged protein in cells.

PROC Antibody - References

Lichty JJ, Malecki JL, Agnew HD, Michelson-Horowitz DJ, Tan S. Comparison of affinity tags for protein purification. Protein Expr Purif. 2005 May;41(1):98-105.